THIRD SUPPLEMENTAL
PRELIMINARY AMENDMENT
U.S. Appln. No. 10/727,576

AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

Page 29, lines 18-26,

4.1.4 Adapter annealing

5pmol/μl each of the two TaqI adapters and the two ~~AseI~~ AseI adapters are pre-mixed.

TaqI adapter 1: GACGATGAGTCCGAC (SEQ ID NO:1)

TaqI adapter 2: CGGTCAGGACTCAT (SEQ ID NO:2

AseI adapter 1: CTCGTAGACTGCGTACC (SEQ ID NO:3)

AseI adapter 2: TAGGTACGCAGTC (SEQ ID NO:4)

The mixture is heated for 2 min at 70°C and cooled down slowly to 30°C.

Page 30, lines 12-29,

4.1.6 Preamplification

5μl samples from the previous step are each mixed with 2.5 μl amplification buffer (~~0.1~~0.1M Tris-HCl, pH 8.3, 0.5M KCl, 15mM ~~MgCl2~~ $MgCl_2$ and 0.1% (w/v) gelatin), ~~1Al~~ 1μl (5ng) ~~AseI~~ AseI preamplification primer, 1μl (30ng) TaqI preamplification primer, 1μl dNTP mix, 13.5μl water and 1μl (1U) TaqI DNA Polymerase.

~~AseI~~ AseI preamplification primer: CTCGTAGACTGCGTACCTAAT (SEQ ID NO:5)

TaqI preamplification primer: GACGATGAGTCCTGACCGA (SEQ ID NO:6)

A temperature cycle of 94°C for 30 sec, 56°C for 30 sec and 72°C for 1 min is run for 25 cycles.

4.1.7 Amplification

5μl of the samples from the preamplification step are each mixed with 1μl ~~AseI~~ AseI primer (~~Sng~~5ng), ~~1p.1~~1μl TaqI primer (30ng), 0.2μl Taq Polymerase (1U), 4μl amplification buffer, 0.4μl dNTP mix and 8.4μl water. The primers are end labelled with γ^{32}~~γ32~~P-ATP.

~~AseI~~ AseI amplification primer: GACTGCGTACCTAATNN (SEQ ID NO:7)